Philips
plasma monitor

42"
WVGA

BDS4222R

Multi-Purpose Public Display Solution

42" Wide VGA Plasma Monitor

State of the art, cost effective plasma monitor specially designed for indoor public display applications. The high class scaler, advanced digital video processing and the latest plasma technology guarantee optimal display of your message.

Operational flexibility
- Multiple PC input formats up to WXGA
- Wide choice of analog and digital connectivity
- Monitor is network controllable for remote management
- Portrait mode operability
- Quiet and reliable fanless operation
- VGA loop through to daisy chain other monitors
- Built-in tuner and extended video connectivity

Optimized for public viewing
- High brightness (1000cd/m2) and 3000:1 contrast ratio
- Motion Adaptive De-interlacing for razor sharp images
- PiP allows watching a second source simultaneously

Lower total cost of ownership
- Long expected panel lifetime of over 60.000 hours
- Advanced anti burn-in functions to prevent ghost images

PHILIPS
sense and simplicity

Plasma monitor
42" WVGA

BDS4222R/00

Specifications

Picture/Display
- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- Panel resolution: wVGA (854 x 480 pixels)
- Pixel pitch: 1.08 x 1.08 mm
- Brightness: 1000 cd/m²
- Brightness (nits): 1000 nit
- Contrast ratio (typical): 3000:1
- Display colors: 16.7 Million colors
- Viewing angle: 160° (H) / 160° (V)
- Horizontal Scanning Frequency: 15 - 91 kHz
- Vertical Scanning Frequency: 50 - 85 Hz
- Picture enhancement: Picture in Picture

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1280 x 1024	60Hz
1152 x 870	75Hz
1024 x 768	60, 70, 75, 85Hz
800 x 600	56, 60, 72, 75,85Hz
848 x 480	60Hz
640 x 480	50,60,67,72,75,85Hz
720 x 400	70Hz

- WVGA 852 x 480: 60 Hz
- MAC 832 x 624: 75 Hz
- VGA 640 x 350: 70 Hz
- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
720p	50, 60Hz
576i	50Hz
576p	50Hz
1080i	50, 60Hz

Connectivity
- PC: RS232 D-Sub9, DVI-D x1, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- Audio input for PC: Audio Left/Right (RCA 2x)
- AV input: Scart 2x, Component (YPbPr) x1, Audio (L/R) for YPbPr x1, S-video x1
- Audio input for video: Audio Left/Right (RCA x 2)
- Audio output: Stereo Out (2 cinch)
- Other connections: Antenna

Convenience
- Picture in Picture: Picture in Picture All Inputs, Double window
- Network controllable: RS232
- Convenience Enhancements: On-screen Display
- Monitor Controls: Left/Right, Power On/Off, Up/Down, Source Select, Menu (OK), Volume control
- OSD Languages: English, French, German, Italian, Spanish
- Built-in Audio: Built-in amplifier and 5 Watts RMSx2 stereo speakers
- Screen saving functions: Full white, pixel shift
- Regulatory Approvals: CE Mark, FCC-B, UL, CSA
- Teletext: 10 pages

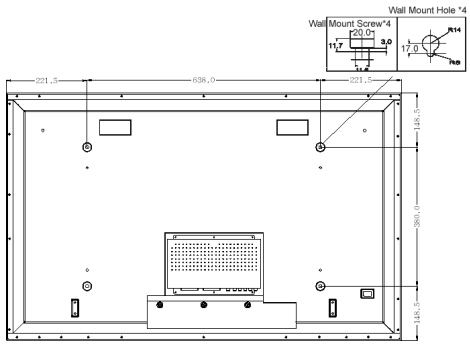
Power
- Consumption: 350 Watts (color bar pattern)
- Power supply: 100-240VAC, 50/60Hz
- Sleep Mode: 5 Watts Max.

Dimensions
- Dimensions (without base) (W x H x D): 1081 x 677 x 95 mm
- Weight: 36.5 kg
- Dimensions (with base) (W x H x D): 1081 x 722 x 220 mm
- Lifetime to 50% brightness: 60000 hr
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -5°C to +50°C
- Relative humidity: 20% - 80%

Accessories
- Included Accessories: AC Power Cord, Remote Control, Battery, VGA cable, Table top stand
- User Guide on CD-ROM
- User Manual: Eng,Ger,Dut,Fre,Spa,Ita
- Optional accessories: Ceiling mount, Flexible wall mount, Fixed wall mount

Miscellaneous
- Bezel: Silver

Tuner/Reception/Transmission
- TV system: PAL, SECAM



Product highlights

Multiple PC input formats
The product supports PC compatibility for VGA, SVGA, XGA and WXGA. A universal public display solution requires versatile PC input support.

Network controllability: RS232
Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

Portrait mounting possible
This display is also able to be safely and reliably mounted in portrait position.

Fanless operation
A system without fans is quiet and doesn't collect dust inside the monitor. No moving parts inside the monitor will thus improve the reliability of the product.

VGA loop through
In case more than one screen need to share the same input signal, VGA loop through offers a cost effective solution in which the VGA input signal is amplified and made available on a VGA output connector which can be connected to the next monitor

High brightness & contrast
High brightness and contrast values are extremely beneficial in public environments where lighting conditions are variable and often beyond control.

Motion adaptive de-interlacing
This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimize the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

Picture In Picture (PIP)
Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics

Long expected panel lifetime
In public display applications 24/7 operation is often required. Even after 60000 hours of operation the brightness level of the display will be at least 50% of the initial value.

Advanced anti burn-in function
A protective function called "pixel shift" has been implemented. When the protection mechanism is activated the screen image automatically shifts its pixel positions to prevent "image ghosting". Secondly, burn-in recovery has been implemented. Depending on the model, ghost images are removed by applying a full white signal on the whole panel for a certain amount of time or by reversing the image to achieve the same result.

Issue date 2008-06-16
Version: 5.0.6
12 NC: 8639 000 16351
EAN: 87 10895 90397 4

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